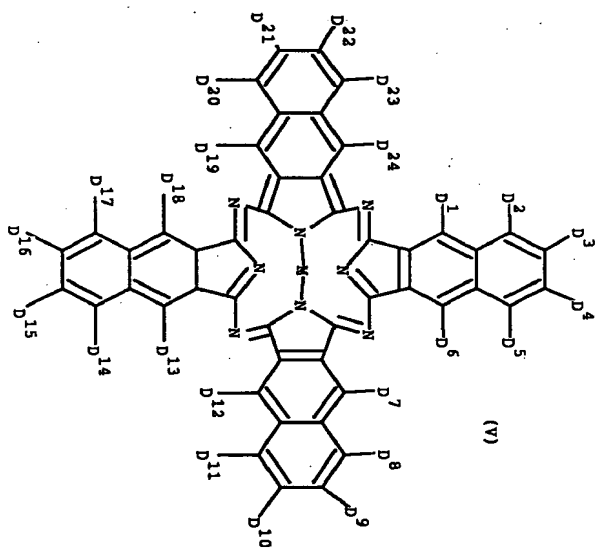
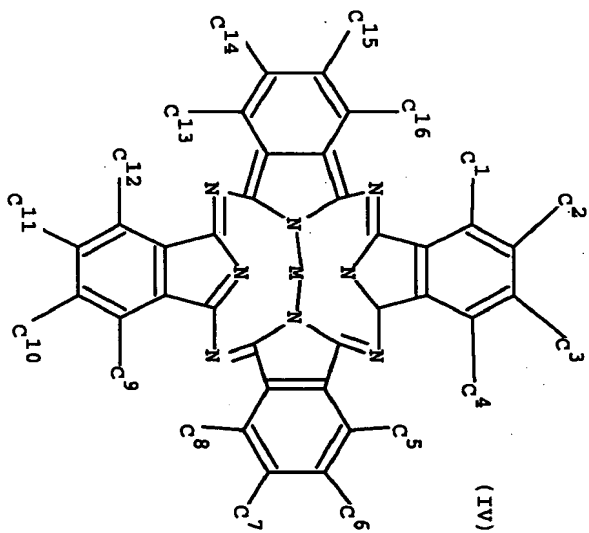
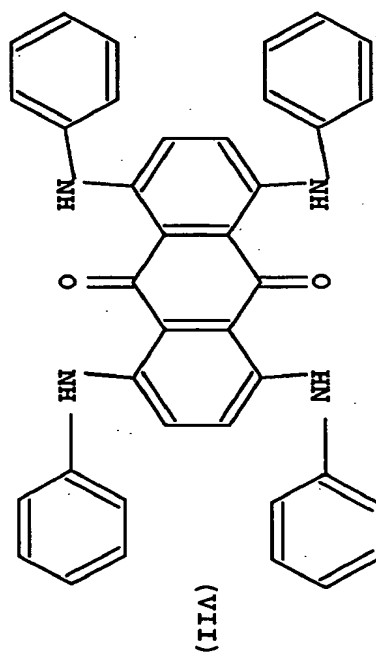
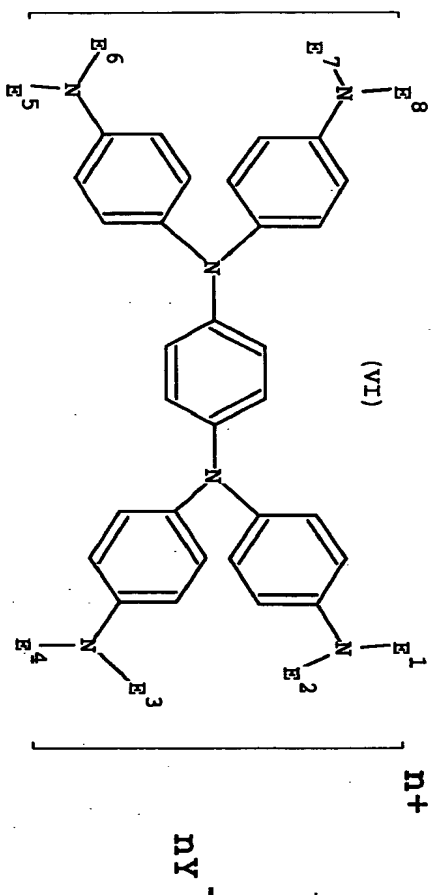


<p>96-205767/21 A97 E24 G02 (A14) MITK 93.09.10 MITSUI TOATSU CHEM INC *JP 08073792-A 94.07.05 94JP-153777(+93JP-226000) (96.03.19) C09D 11/00, 11/02, 11/10 Ink compsn. used for printing near IR light inspection - including phthalocyanine cpd., naphthalocyanine cpd., aminium salt and anthraquinone cpd. C96-065555 Addnl. Data: 94.09.01 94JP-208605, 93.12.10 93JP-310767</p>	<p>A(12-W7D) E(22-C, 22-C3, 23-B, 25-E) G(2-A4A, 2-A4B)</p> <div><p>(I)</p><p>(II)</p><p>(III)</p></div>
--	--





A¹-A⁸ = H, halogen, NO₃, CN, SCN, NCO, acyl, carbamoyl, alkylamino carbonyl, alkoxy carbonyl, aryloxy carbonyl, alkyl, aryl, aryloxy, alkylthio, arylthio, alkylamino, arylamino; B¹-B⁴ = H, CN, acyl, carbamoyl, alkylamino carbonyl, alkoxy carbonyl, aryloxy carbonyl, alkyl, aryl; R¹-R⁴ = alkyl, aryl, M = divalent metal, tri, tetravalent substituted metal, oxy metal; C¹-C¹⁶, D¹-D²⁴ = H, halogen, alkyl, alkoxy, aryl, aryloxy, alkylthio,

arylthio, alkylamino, arylamide, amide;
 $E^1-E^8 = H, alkyl$;
 $Y = \text{halogen, SbF}_6, ClO_4, BF_4, NO_3$;
 $n = 1, 2$.

The above hydrocarbon portion may be substituted.

USE

The ink is used for printing a near infrared ray inspection material including banking material, pass, tickets, prepaid card, an identity card etc.

ADVANTAGE

The ink has a high light stability, and the printed matter by the ink shows high contrast by the difference of reflection in near infrared ray region between the printed portion and not printed portion.

PREFERRED COMPOSITION

The ink comprises UV absorber, a singlet oxygen quencher, a radical trapping agent or a solvent.
(CM)
(16pp011DwgNo.0/0)